



VARODRY OEM

Dry screw vacuum pumps

Leybold presents a new member in the VARODRY family: the heavy duty, oxygen-handling version of the successful VD OEM version. This innovative variant is specifically made for these applications, where harsh processes meet the requirement of compactness & dry vacuum.



Performance driven

High pumping speed up to 200 m³/h and low ultimate pressure down to the 10⁻³ mbar range.



No oil emissions

No oil mist at exhaust and no oil migration to the chamber.



Robust design

Special coated rotors for advanced protection with a robust & stable housing.



Low TCO

Energy savings due to a high energy efficient motor and low maintenance requirements.



Simple Plug & Go

Simple motor connection.
No water cooling > no further connections needed.



Technical Data

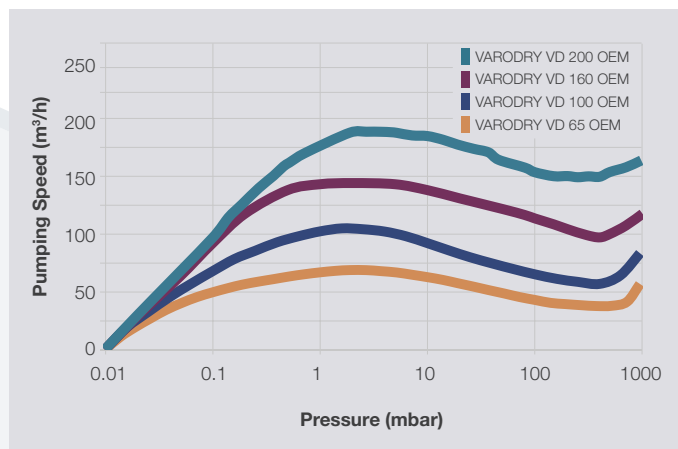
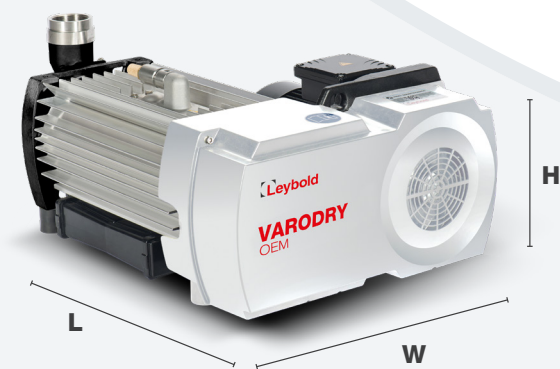
VARODRY		VD 65 OEM	VD 100 OEM	VD 160 OEM	VD 200 OEM
Max. pumping speed	m ³ /h	65	105	150	200
Ultimate pressure without gas ballast	mbar	< 0.01			
Ultimate pressure with gas ballast	mbar	< 0.1			
Max. permissible inlet pressure	mbar	1050			
Max. permissible outlet pressure (rel. to ambient)	mbar	200			
Water vapor tolerance with gas ballast	mbar	60			
Water vapor capacity with gas ballast	kg/h	1,9	2,9	5.2	6.9
Noise level (with built-in silencer) at ultimate pressure (50 / 60 Hz)*	dB(A)	67 / 70		70 / 73	
Permissible ambient temperature	°C	0 to +40			
Rated motor power	kW	1.5	2.2	3.0	4.0
Protection class		IP55			
In- & outlet connection		G 2" (In) - G 1 1/2" (Out)			
Dimensions [L x W x H]:	kg	630 x 488 x 315	722 x 488 x 315	920 x 488 x 315	
Weight, approx.	kg	85	95	105	115

*According to DIN EN ISO 2151

Ordering Information	VD 65 OEM	VD 100 OEM	VD 160 OEM**	VD 200 OEM**
50 Hz, 200/400 V +- 10 %, 3 ph	111065V12	111100V12	111160V12	111200V12
60 Hz, 230/460 V +- 10 %, 3 ph	111065V13	111100V13	111160V13	111200V13
60 Hz, 200/380 V +- 10 %, 3 ph	111065V22	111100V22	111160V22	111200V22

** Soft starter mandatory

Accessories				
Inlet non return valve G 2" (for inlet pressures > 1 mbar)			111005A15	
Inlet Adapter				
DN 40 ISO-KF, 20 mm			111005A20	
G 1 1/4", 10 mm			111005A21	
NPT 1 1/4 -11.5, 10 mm			111005A22	
NPT 2-11.5, 35 mm			111005A23	
DN 63 ISO-K, 27 mm			111005A24	
Exhaust Adapters				
DN 40 ISO-KF, 20 mm			111005A30	
NPT 1 1/2-11.5, 30 mm			111005A31	
Flushing Kit			111005A01	
Purge upgrade kit			111005A01	
Soft Starter VD/ND, ≥ 11A, 110-230 V AC			111005A65	
Soft Starter VD/ND, ≥ 11A, 24 V DC			111005A66	
Soft Starter VD/ND, ≥ 19A, 110-230 V AC			111005A67	
Soft Starter VD/ND, ≥ 19A, 24 V DC			111005A68	



Pioneering products. Passionately applied.